II. FOREIGN PATENT DOCUMENTS

EXAM! INITI		Foreign Patent Document Country Code, Number, Kind Code (if known)	PATENTEE OR APPLICANT NAME	PUB'N DATE mm- dd-yyyy	TRANSL Yes	ATION No
0	1	UK 1471019	United Aircraft Corp.	4/21/1977		
		WO 2006012597 A2 WO 2004/104178 A3	Monsanto Technology LLC XY, Inc.	2/2/2006		
		WO 93/17322 A1	Univ. of Hertfordshire GB	9/02/1993		
	•	02/41906 W0 2002041908 A 2	Pharmacia Corp. (c/o Monsanto Company)			
	1	03/02 <i>0</i> 877 W0 2003020877 A2	Pharmacia Corp. (c/o Monsanto Company)	국(왕2003		
		WO 2007/016090 A2	XY, Inc.	2/8/2007		
		EP 0140616	Technicon Insruments Corp.	5/8/1985		
		WO 1991/05236	Aerometrics, Inc.	4/18/1991		
	1	WO 2006060770A2	XY, Inc.	8/6/2006		
0	7	ZL 03109426.0	Inner Mongolia Mengniu Reproductive Biotechnology Co. Ltd.	12/21/2005		

101309

III. OTHER REFERENCES

EXAMINER	Document
INITIAL	Office Action, US Patent Application No. 09/001,394, dated 02/19/1999 (Lodo)
Co_	Notice of Allowability with Examiner's Amendment, US Patent Application No. 09/001,394,
	dated 10/27/1999 (Lodo) Office Action, US Patent Application No. 09/551,959, dated 01/23/2002 (Lodo Div1)
-+-	Notice of Allowability with Examiner's Amendment, US Patent Application No. 09/551,959,
	dated 10/15/2002 (Lodo Div1)
	Office Action, US Patent Application No. 10/378,109, dated 06/10/2005 (Lodo Div2)
	Office Action, US Patent Application No. 10/378,109, dated 11/21/2005 (Lodo Div2)
	Office Action, US Patent Application No. 09/582,809, dated 09/17/2001 (Lodo USNP)
	Notice of Allowability with Examiner's Amendment, US Patent Application No. 09/582,809,
	dated 04/17/2002 along with Notice of Withdrawal from Issue dated 10/31/2002 (Lodo USNP)
	Office Action, US Patent Application No. 09/582,809, dated 10/06/2002 (Lodo USNP)
	Office Action, US Patent Application No. 09/582,809, dated 10/03/2003 (Lodo USNP)
	Office Action, US Patent Application No. 09/582,809, dated 07/20/2004 (Lodo USNP)
	Office Action, US Patent Application No. 09/582,809, dated 04/20/285 (Lodo USNP)2005
	Office Action, US Patent Application No. 09/015,454, dated 09/14/1998 (SuperO)
	Office Action, US Patent Application No. 09/015,454, dated 04/24/1999 (SuperO)
	Notice of Allowability with Examiner's Amendment, US Patent Application No. 09/015,454,
1	dated 12/27/1999 (SuperO)
	Office Action, US Patent Application No. 09/448,643, dated 06/01/2000 (SuperO Cont1)
	Office Action, US Patent Application No. 09/448,643, dated 03/21/2001 (SuperO Cont1)
	Notice of Allowability with Examiner's Amendment, US Patent Application No. 09/448,643 dated 10/9/2001 (SuperO Cont1)
	The state of the s
	Abdel-Ghaffar, A. E., et al., "Rabbit Semen Metabolism" in Rabbit Production in Hot Climates" Baselga and Maral (eds); International Conference of Rabbit Production in Hot Climates 1994, p305-312
	Akhtar, S., et al., "Prevalence of Five Stereotypes of Bluetongue Virus in a Rambouillet Sheep Flock in Pakistan", Veterinary Record 136, p. 495. (1995)
	Atdrich, S. L., et al., "Parturition and Periparturient Reproductive and Metabolic Hormone Concentration in Prenatally Androgenized Beef Heifers", J. Anim. Sci. 73:3712. (1995)
	Amann, R. P. et al., "Issues Affecting Commercialization of Sexed Sperm" Therio. 52:1441. (1999)
	Amann, R.P. "Fertilizing Potential Vitro of Semen from Young Beef Bulls Containing a High or Low Percentage of Sperm with a Proximal Droplet" Theriogenology 54: 1499-1515, 2000
,	Amann, Rupert P. "Cryopreservation of Sperm" 1999, Encyclopedia of Reproduction 1:733-783
Gr	American Meat and Science Association in Cooperation with National Livestock and Meat Board, "Research Guidelines for Cookery and Sensory Evaluation and Instrumental Tenderness Measurements for Fresh Meat". (1995)

01309

II. FOREIGN PATENT DOCUMENTS

EXAMINER	Foreign Patent Document Country			TRANSL	
INITIAL	Code, Number, Kind Code (if known)	dd-yyyy	APPLICANT NAME	Yes	No
	WO 0175176	10/11/2001	Quake		
	WO 9957955	11/18/1999	Chandler		
	WO 84001401 2004/001401	12/31/2003	Lloyd		
	WO 01/68110	9/20/2001	Oncosis		
	WO 02/19594	3/7/2002	Arizona Board of Regents, Acting on Behalf of Arizona State University		
	GB 2145112	2/3/1985	Milk Marketing Board		
	WO 00/54026	9/14/2000	Christensen, et al.		1
	CA 1029833	4/18/1978	Goehde, et al.		
	CA 1 250 808	3/7/1989	Dresser, D. et al.		
	CA 2,113,957 A1	1/21/1994	Wildeman, A. et al.		
	EP 0 822 401 A2	4/2/1998	Behringer, B. et al.		
	EP 0 025 296 B1	5/15/1985	Ortho Diagnostic Systems INC.		
	EP 1 118 268 A1	7/25/2001	Artemis Pharmaceuticals		
	EP 0 026 770 B1	3/16/1983	Emst, L.		
	EP 0 029 662 B1	2/29/1984	Ortho Diagnostic Systems INC.		
	EP 0 046 345 A2	2/24/1982	Ortho Diagnostic Systems INC.		
	EP 0 068 404 B1	1/5/1983	Becton, Dickinson and Co.		
	EP 0 158 147 A2	10/16/1985	Becton, Dickinson and Co.		
	EP 0 229 814 B1	7/29/1987	Steen, H. et al.	<u> </u>	
	EP 0 246 604 A2	11/25/1987	Becton, Dickinson and Co.		
	EP 0 279 000 B1	7/21/1993	Ratcom, Inc		
	EP 0 288 029 B1	1/12/1994	Hitachi, LTD.		
	EP 0 289 200 B2	8/24/1994	Preikschat, F. et al.		
	EP 0 289 677 A2	11/9/1988	Preikschat, F. et al.		
	EP 0 316 171 B1	9/30/1992	Government Of The United Kingdom		
	EP 0 316 172 B1	7/29/1992	Government Of The United Kingdom		
	EP 0 316 173 A1	5/17/1989	Government Of The United Kingdom		
	EP 0 317 809 A2	5/31/1989	Becton, Dickinson and Co.		
	EP 0 360 487 B1	7/9/1997	Hitachi, LTD.	 	
			<u> </u>	<u> </u>	

10/13/09

h			
WO 02/29106 A2	4/11/2002	California Institute Of Technology U.S.	
WO 02/44319 A2	6/6/2002	Picoliter Inc. U.S.	
WO 03/008102 A1			
WO 03/012403 A1	2/13/2003	Bio-Cytex	
WO 03/016875 A2			
WO 03/056330 A2	7/10/2003	Institut Fur Physikalische Hochtechnologie E.V.	
WO 03/056335 A2	7/10/2003	Institut Fur Physikalische Hochtechnologie E.V.	
WO 03/078065 A1	9/25/2003	Micronics, INC. U.S.	
WO 03/078972 A1	9/25/2003	Micronics, INC. U.S.	
WO 89/04471 A1	5/18/1989	Government Of The United Kingdom	
WO 84/01265 A1	4/12/1984	Genetic Engineering, Inc. U.S.	
W0 85/04014 A1	9/12/1985	Research Corporation, U.S.	
WO 89/04470 A1	5/18/1989	Government Of The United Kingdom	
WO 89/04472.A1	3/18/1998 5/18/1989	Government Of The United Kingdom	
WO 92/08120 A1	5/14/1992	Macquarie University	
WO 92/17288 A1	10/15/1992	The University of Rochester, U.S.	
WO 94/22001 A1	9/29/1994	Steen, H.	
WO 96/04542 A1	2/15/1996	Abbott Laboratories, U.S.	
WO 96/12173 A1	4/25/1996	University Of Washington U.S.	
WO 96/33806 A1	10/31/1996	Systemix, U.S.	
WO 97/29354 A1	8/14/1997	Bayer Aktiengesellschaft	
WO 97/30338 A1	8/21/1997	Inphocyte, Inc., U.S.	
WO 97/35189 A1	9/25/1997	University Of Washington U.S.	
WO 97/43620 A1	11/20/1997	International Remote Imaging Systems Inc.	
	WO 03/008102 A1 WO 03/012403 A1 WO 03/016875 A2 WO 03/056330 A2 WO 03/056335 A2 WO 03/078065 A1 WO 03/078972 A1 WO 89/04471 A1 WO 89/04471 A1 WO 85/04014 A1 WO 89/04470 A1 WO 89/04472 A1 WO 92/08120 A1 WO 92/17288 A1 WO 94/22001 A1 WO 96/04542 A1 WO 96/33806 A1 WO 97/39354 A1 WO 97/39354 A1	WO 02/44319 A2 6/6/2002 WO 03/008102 A1 1/30/2003 WO 03/012403 A1 2/13/2003 WO 03/016875 A2 2/27/2003 WO 03/056330 A2 7/10/2003 WO 03/056335 A2 7/10/2003 WO 03/078065 A1 9/25/2003 WO 89/04471 A1 5/18/1989 WO 85/04014 A1 9/12/1985 WO 89/04470 A1 5/18/1998 WO 89/04472 A1 3/16/1998 WO 92/08120 A1 5/18/1992 WO 92/17288 A1 10/15/1992 WO 94/22001 A1 9/29/1994 WO 96/04542 A1 2/15/1996 WO 96/33806 A1 10/31/1996 WO 97/29354 A1 8/14/1997 WO 97/30338 A1 8/21/1997 WO 97/35189 A1 9/25/1997	Technology U.S.

10/13/09

BEST AVAILABLE COPY

0|081955 10|13

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION
SUPPLEMENTAL

DOCKET NO. XY LoDo1

SERIAL NO. Q 4 000

APPLICANT (S) George Seidel, Lisa Herickhoff, John Schenk

FILING DATE
ART UNIT

I. U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
mW	5,589,457	12/31/96	Wiltbank	514	12	07-03-95
					•	
					-	
•						

П.

FOREIGN PATENT DOCUMENTS

EXAMINER	DOCUMENT NO	DATE	COUN	ITRY	CLASS	SUBCLASS	TRANS	LATION
INITIAL							YES	NO
mw	WO 96/12171	-10/13/95	United States	4/25/1996	# _			
			•					
							<u> </u>	
								ļ
					<u> </u>			
					1'		<u> </u>	<u> </u>

Ш.

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Johnson, L.A., et al., "Sex Preselection in Rabbi Execptional Paper-Rapid Publication, XP-00210	ts: Live Births from X and Y Sperm Separated by DNA and Cell Sorting*, 03476, Biology of Reproduction 41, 199-203, 1989, pp 199-203.
(NL) XP-002103478, File Biosis, one page.	
Nowshari, et al, Theriogenology 43:797-802	1995
Maureen Wallenhorst	DATE CONSIDERED 10-26-99
	is in a section of a section if and in

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1

OFF 40 TO

Express Mail No. EV 603556978 US

THE UNITED STATES	APPLICATION NO:	10/081,955
PATENT AND TRADEMARK OFFICE	FILING DATE:	February 20, 2002
	FIRST NAMED	George E. Seidel
INFORMATION DISCLOSURE	ART UNIT:	1634
STATEMENT BY APPLICANT	EXAMINER NAME:	Carla J. Meyers
	DOCKET NO:	XY-Super-Cont2

I. US PATENT DOCUMENTS

EXAMINER	DOCUMENT NO.	PATENTEE OR	PUBLICATION/ISSUE DATE mm/dd/yyyy	Pages, Columns, Lines Where	
INITIAL	& KIND CODE (if	APPLICANT	DATE HUIDOWYYYY	Relevant Passages Or Relevant	
	known)	NAME		Drawings Appear	
(X1	2002/0113965 A1,	Roche et al.	8/22/2002		
	2002/0119558 A1	Seidel et al.	8/29/2002		
	2002/141902 A1	Asbury et al.	10/3/2002 Ozasa, et		10/13/09
	2002/180375- A1	Asbury et al.	12/12/2002	2002/0186375	1, 120
	2003/0129091 A1	Seidel et al.	1/10/2003		·
	2003/0157475 A1	Schenk	8/21/2003		مماحيا ا
	2003/998421-A1	Но	11/27/2003 5/27/200	2003/0098421	101309
	2003/0207461 A1	Bell et al.	11/6/2003		1. (,
	2003/0209059 A1	Kawano	11/13/2003		
	2004/0031071 A1	Morris et al.	2/12/2004		
	2004/0049801 A1	Seidel	3/11/2004		
	2004/0053243 A1	Evans	3/18/2004		
	2004/0055030 A1	Maxwell et al.	3/18/2004		l
	2004/0005582 A1	Shipwast	1/8/2004		
	2004/0062685 A1	Norton et al.	4/1/2004	·	}
	2004/0096123 A1	Whittier et al.	7/25/2002		
	2004/0132001 A1	Seidel et al.	7/8/2004		}
	2005/0214733 A1	Graham, J.A.	9/29/2005		}
	2005/0112541 A1	Durack, G.	5/26/2005]
	2005/0003472 A1	Muhammad, A.	1/6/2005		
,	3,299,354	Hogg	12/17/1987	1/17/1967	1013109
	3,499,435	Rockwell et al.	3/10/1970		1.1.
	3,547,526	Devereux	12/15/1970]
	3,644,128	Lipner	2/22/1972][
	3,661,460	Elking et al.	5/9/1972]]
	3,710,933	Fulwyler et al.	1/16/1973]
	3,761,941	Robertson	9/25/1973		
	3,810,010	Thom	5/7/1974		Ì
	3,826,364	Bonner et al.	7/30/1974		3)
	3,829,216	Persidsky	08/13/1974]] .
,	3,833,796	Fetner et al.	11/3/1974	9/3/1974	1913109
	3,877,430	Wieder	4/15/1975		<u>ن بن</u> [[
	3,893,766	Hogg	7/8/1975]] .
	3,909,744	Wisner et al.	9/30/1975		1
	3,947,093	Goshima et al.	3/30/1976		1
 	3,960,449	Carleton et al.	7/1/1976		1
- (\$ -	3,963,606	Hogg	6/15/1976		1

II. FOREIGN PATENT DOCUMENTS

EXAMINER	Foreign Patent Document Country		PUB'N DATE mm-	TRANSL	
INITIAL	Code, Number, Kind Code (if	APPLICANT	dd-yyyy	Yes	No
	known)	NAME		<u></u>	
Col	BR 9704313	Alves, E.	6/4/1999		
ı		GSF -			
1		Forschungszentrum			
	DE 195 49 015 C1	0.51.510	4/3/1997		
}	EP 0781985A3	SIEMENS AKTIENGESELLSCH	7/8/199/8	i i	
		AFT			
	DE 198 82 943.3	CSURF	2/1/2001		
	DE 69028526	USA represented by	2/6/1997	1	
l l	i	Secretary of US		1	
		Dept. of Commerce,			
1		Washington DC US			
	EP 0538786 A	Serra Piero	04/28/1993	 	
	EP 0025298A2	Ortho Diagnostic	03/18/1981		
	LF VOESEBURE	Systems, Inc.			
	EP 0071538 A1	Cassou Robert	02/09/1983		
	EP 0160201A2	Becton Dickinson &	4 4		
		Co.	11/0/1985		
	EP 0189702 A1	Cassou Maurice	08/06/86		
	EP 0276166A2	Donaldson, Lloyd E.	7/27/1988		
	EP 0288029B1	Hitachi, LTD	04/20/1988		
	EP 0461618	Becton Dickinson	12/18/1991		
	EP 0468100A1	TOA Medical Electronics Co., LTD	1/29/1992		
	EP 0570102 A1	Ovamed Corporation	3/31/1993		·
	EP 1403633 A3	Becton Dickinson and company	4/7/2004		
	EP 1250897 A1	Iberica de Reproduccion Asstida S.L.	10/23/2002		
	EP-A-0 366794	Terumo, K.K.	5/9/1990	 	
	EP-A-0 478155	Ovamed Corporation	1/28/1998	1	
	FR 2 647 668 A	Medizin Labortechnik Veb K.	12/7/1990		
	FR 2574656 A1	Cassou Robert et al.	6/20/1986		
	FR 2699678-A1	Union Stes Coop Agricoles	6/24/1994		
	FR-A-2 635453	Laboratoire Ingenor	2/23/1990	1	
	Intentionally left blank	 	 		
	JP2024535	Canon, Inc.	1/26/1990	1	
	JP4126064 (A)	Nitto Shokia: K.K.	04/27/1992		
	JP4126065 (A)	Okonogi, Saburo	4/27/1992	1	
	JP4126066 (A)	P C C Technol: K.K.	4/27/1992	 	Γ
+,	JP4126079 (A)	Diawa Kasei K.K.	4/27/1992	 	<u> </u>

10/13/09

Express Mail No.: EV 958784902 US

<u> </u>	EXPIESS IVI	all 140 Ev 300704302 US
IN THE UNITED STATES	APPLICATION NO:	10/081,955
PATENT AND TRADEMARK OFFICE	FILING DATE:	2/20/2002
	FIRST NAMED INVENTOR:	George E. Seidel
INFORMATION DISCLOSURE	ART UNIT:	1634
STATEMENT BY APPLICANT	EXAMINER NAME:	Carla J. Meyers
	DOCKET NO:	XY-Super-Cont2

I. US PATENT DOCUMENTS

EXAMINER	DOCUMENT NO.	PUB'N DATE	PATENTEE OR	Pages, Columns, Lines Where	7
INITIAL	& KIND CODE (if		APPLICANT NAME	Relevant Passages Or Relevant	
	known)			Drawings Appear	1
	5,316,540	5/31/1994	McMannis et al.		1
	6,767,706	7/27/2004	Quake		1
	6,097,485	8/1/2000	Lievan		1
	2003/0078703	4/24/2003	Potts		1
	2007/0017086	5/1/2007	Evans et al.		1
	7,015,310	3/1/2006	Remington et al.		1
	3,005,756	10/24/1961	VanDemark, et al.		1
•	3,791,384	1/12/1974 -	Richter et al.	2/12/1974	10/13
	6,309,815	10/30/2001	Tash et al.		1
	6,316,234	11/13/2001	Bova		1
	5,658,751	8/19/1997	Yue et al.		1
	5,798,276	8/25/1998	Haugland et al.		1
	6,130,034	10/10/2000	Aitken		1
	6,368,786	4/8/2002	Saint-Ramon et al.		1
	5,990,479	11/23/1999	Weiss et al.		1
	5,998,140	12/7/1999	Dervan et al.		1
	6,090,947	7/18/2000	Dervan et al.		1
	6,143,901	11/7/2000	Dervan		1
	6,207,392 B1	3/27/2001	Weiss et al.	· · · · · · · · · · · · · · · · · · ·	1
	6,247,323 B1	6/19/2001	Maeda		1
	6,322,901 B1	11/27/2001	Bawendi et al.		1
	6,326,144 B1	12/4/2001	Bawendi et al.		1
	6,416,190 B1	7/9/2002	Grier et al.		1
	6,423,551 B1	7/23/2002	Weiss et al.		1
	6,432,638 B2	8/13/2002	Dervan et al.		
	6,576,291 B2	6/10/2003	Bawendi et al.		-
	6,849,394 B2	2/1/2005	Rozenboom et al.		1
	2003/0113765 A1	6/19/2003	Dempcy et al.		1
	3,906,929	9/23/1975	Augspurger		7
V	34,782	11/8/1994	Dandliker et al.	RE 34.782	10/13
-	3,738,759	6/12/1973	Dittrich et al.		٦, ١
	3,761,187	9/25/1973	Dittrich et al.		1
	3,788,744	1/29/1974	Friedman et al.		7
	3,791,517	2/12/1974	Friedman		ᆌ .
	3,816,249	6/11/1974	Bhattacharya		7
	3,944,917	3/16/1976	Hogg et al.		7